IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Etienne Duguet et al.

Application No.: 10/579,247

Filing Date: May 12, 2006

UNSYMMETRICAL INORGANIC

PARTICLES, AND METHOD FOR

PRODUCING THE SAME

Group Art Unit:

Examiner:

Confirmation No.:

FIRST INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form

>T∩-1	Enclosed is a FIRST information biodesia. 449 for the above-identified patent application.
,o. ⊠	No additional fee for submission of an IDS is required.
_	The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
	A statement under 37 C.E.R. § 1.97(e) is also enclosed.
	A tatament under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set for it.
П	to Deposit Account No. 02-4800 for the residue.
	is enclosed for the los due.
	Charge to credit card for the fee due. Form 110 2000 to
	The Director is hereby authorized to charge any appropriate less directors. The Director is hereby authorized to charge any appropriate less directors. The Director is hereby and to credit 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.
	Respectfully submitted,

By:

BUCHANAN INGERSOLL & ROONEY PC

Date January 25, 2007

Mellssa M. Hayworth Registration No. 45774

P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620

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In re Patent Application of			
Etienne Duguet et al.			Group Art Unit:
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For:	UNSYMMETRICAL INORGANIC PARTICLES, AND METHOD FOR PRODUCING THE SAME)))	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

A copy of the International Search Report mailed April 11, 2005 from the corresponding PCT application is enclosed.

FIRST Information Disclosure Statement Application No. <u>10/579,247</u> Attorney's Docket No. <u>1032013-000137</u> Page 2

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No.02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: January 25, 2007

Bv:

Melissa M. Hayworth . Registration No. 45774

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Substitute for form 1449/PTO & 1449B/PTO		Complete if Known	
FIRST	Application Number	10/579,247	
INFORMATION DISCLOSURE	Filing Date	May 12, 2006	
INFORMATION DISCLOSURE STATEMENT BY ARBLICANT	First Named Inventor	Etienne Duguet et al.	
(use as many sheets as necessary)	Examiner Name		
Shoot 1 of 1 JAN 2 5 2007	Attorney Docket No.	1032013-000137	
Sheet 1 of 1 JAN 2			

U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)		

			FOREIGN PATENT I	DOCUMENTS							
							S	TATUS			
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	2004/044061		PCT	03-27-2004				Х			
	01/85324		PCT	11-15-2001		<u> </u>		X			
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	NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journ serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	International Search Report dated April 11, 2005 Stephane RECULUSA et al., "Syntheses of Raspberrylike Silica/Polystyrene Material", Chemistry of Materials, Washington, US, Vol. 14, No. 5, pp. 2354-2359, (May 2002). Christian CASAGRANDE et al., "Realisation et Premieres Observations Des Proprietes interfaciales Janus Beads: Realization and First Observation of Interfacial Properties", C.R. Acad. Sci. Paris, Vol. 306, No. II, pp. 1423-1425 (1988), XP001216718.					
	Laeticia PETIT et al., "Sub-micrometer Silica Spheres Dissymmetrically Decorated with Gold Nanoclusters", Materials Letters, Vol. 51, No. 6, pp. 478-484, Amsterdam, NL, (December 2001), XP004320531.					

Examiner	Date
Signature	Considered
	the station is in conformance with M.P.E.P. 8.609. Draw line through citation if not in

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.